

## ABSTRACT OF THE INVENTION

A method and system in a computing environment for inferring genetic findings for a patient is provided. The method includes receiving a request for genetic findings for a person from another application or a user. The method further includes inquiring as to whether the person has the genetic findings. If not, the method automatically provides inferred genetic findings for the person. The inferred genetic findings are calculated using genetic findings for family members of the patient, linkage analysis, haplotype analysis, semantic test results for the person and/or population genetics information.